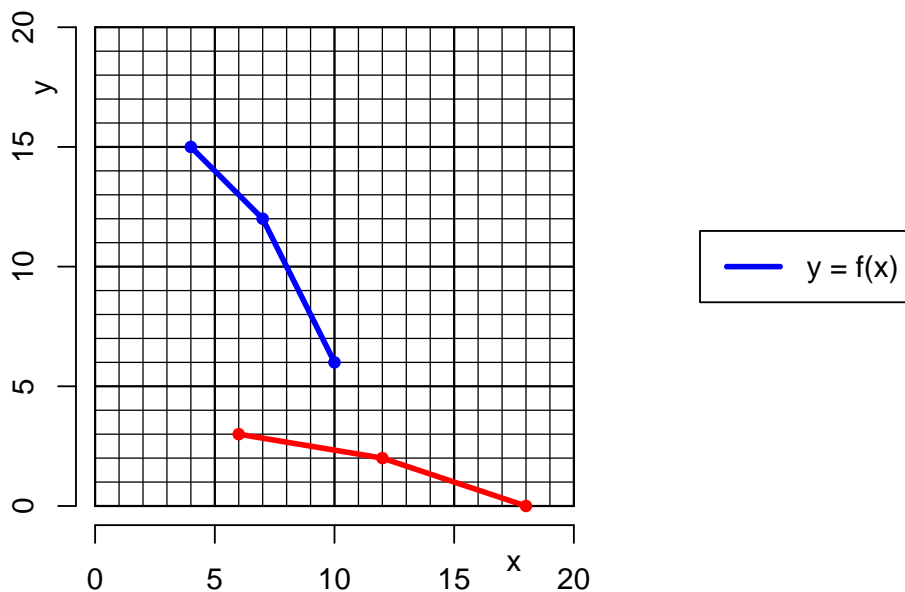# PCW_09_18 Find new points after transformation (version 20)

Question 1

Curve $y = f(x)$ contains points $(4, 15)$ and $(7, 12)$ and $(10, 6)$, as shown on the x-y plane below.
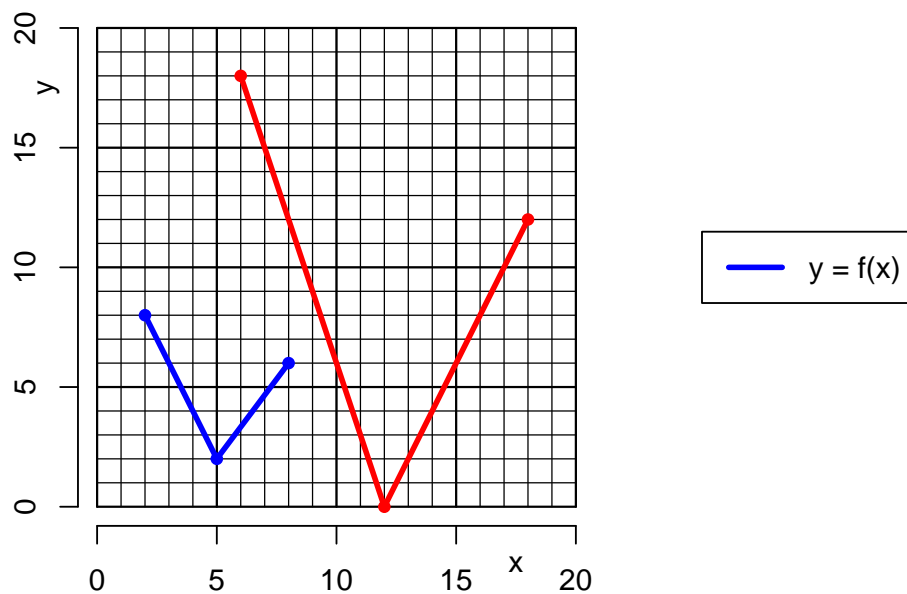

On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x}{2} + 1\right] - 6}{3}$$

Question 2

Curve $y = f(x)$ contains points $(2, 8)$ and $(5, 2)$ and $(8, 6)$, as shown on the x-y plane below.

On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x-2}{2}\right] - 6$$